#9

PTO-1449	Application No.	Applicant(s)
Information Disclosure Citation In an Application	10/014,839	Mohammed N. Islam
	Docket Number: 069204.0177	Group Art Unit: 3662
		Filing Date: December 10, 2001

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A	6,219,176 B1	4-17-2001	Terahara	359	341	7-21-1998
	B	6,263,139 B1	7-17-2001	Kawakami et al.	385	123	11-9-1999
	C	6,356,383 B1	3-12-2002	Cornwell, Jr. et al.	359	334	3-31-2000
	D	6,404,964 B1	6-11-2002	Bhagavatula et al.	385	123	4-14-1999
	E	6,414,786 B1	7-2-2002	Foursa	359	334	3-27-2000
	F	6,417,959 B1	7-9-2002	Bolshtyansky et al.	359	334	2-1-2001
	G	6,437,906 B1	8-20-2002	Di Pasquale et al.	359	337.2	11-22-2000
	H	2002/0001123 A1	1-3-2002	Miyakawa et al.	359	334	6-21-2001
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	P	1 180 860 A1	19.02.2001	EP	H04B	10/17	X	
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	T	Hiroji Masuda and Shingo Kawal, Ultra Wide-Band Raman Amplification With A Total Gain-Bandwidth of 132 nm Of Two Gain-Bands Around 1.5 μm, ECOC '99, Nice, France, pp. II-146 – II-147.	26-30 September 1999
	U	Sugizaki, et al., Slope Compensating DCF for S-band Raman Amplifier, OSA TOPS Vol. 60, Optical Amplifiers and Their Applications, Nigel Jolley, John D. Minelly, and Yoshiaki Nakano, eds., 2001 Optical Society of America, pp. 49-53.	2001
	V	Vasilyev, et al., Pump intensity noise and ASE spectrum of Raman amplification in non-zero dispersion-shifted fibers, reprinted from the Optical Amplifiers and Their Applications Conference, 2001 Technical Digest, 2001 Optical Society of America, pp. 57-59.	2001
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EXAMINER	DATE CONSIDERED
Deandra M. Hughes	June 5, 2003.

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

U.S. PATENT AND TRADEMARK OFFICE

#6

PTO-1449	Application No. 10/014,839	Applicant(s) Mohammed N. Islam	
Information Disclosure Citation in an Application	Docket Number 20434-753 (069204.0177)	Group Art Unit	Filing Date December 10, 2001

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
DK	A	5,905,838	05/18/1999	Judy et al.	385	123	02/18/1998
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
D	P	0 841 764 A2	13.05.1998	EP	H04B	10/24	X	
D	Q	2 764 452 A1	11.12.1998	FR	H04J	14/02		X
D	R	0 90 3 877 A2	24.03.1999	EP	H04B	10/18	X	

NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	S	~~PCT International Search Report Form PCT/ISA/210~~	22 January 2002
	T	~~PCT International Search Report Form PCT/ISA/210~~	22 January 2002
	U		

EXAMINER	DATE CONSIDERED
DEANDRA M. HUGHES	JUNE 5, 2003

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U.S. PATENT AND TRADEMARK OFFICE

PTO-1449

Information Disclosure Citation In an Application

Application No.	Applicant(s)	
10/014,839	Mohammed N. Islam	#8
Docket Number: 069204.0177	Group Art Unit	Filing Date: December 10, 2001

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A	4,616,898	10/14/1986	Hicks, Jr.	350	96.15	09/28/1983
	B	4,699,452	10/13/1987	Mollenauer et al.	350	96.16	10/28/1985
	C	4,932,739	06/12/1990	Islam	350	96.15	09/25/1989
	D	4,995,690	02/26/1991	Islam	350	96.15	04/24/1989
	E	5,020,050	05/28/1991	Islam	370	4	10/13/1989
	F	5,078,464	01/07/1992	Islam	385	122	11/07/1990
	G	5,101,456	03/31/1992	Islam	385	27	11/07/1990
	H	5,115,488	05/19/1992	Islam et al.	385	129	05/10/1991
	I	5,224,194	06/29/1993	Islam	385	122	04/02/1991
	J	5,369,519	11/29/1994	Islam	359	173	02/05/1993
	K	5,485,536	01/16/1996	Islam	385	31	10/13/1994
	L	5,559,920	09/24/1996	Chraplyvy et al.	385	123	03/01/1995
	M	5,623,508	04/22/1997	Grubb et al.	372	3	02/12/1996
	N	5,629,795	05/13/1997	Suzuki et al.	359	337	08/31/1995
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	U	Hansen et al., "Repeaterless transmission experiment employing dispersion," 21st European Conference on Optical Communication, Vol. 2, 1 page	09/17-21/1995
	V	Nissov et al., "100 Gb/s (10x10Gb/s) WDM Transmission Over 7200 km Using Distributed Raman Amplification," European Conference on Optical Communications, paper PD-9, pp. 9-12	09/1997
	W	Hansen et al.; "Loss compensation in dispersion compensating fiber modules by Raman amplification," Optical Fiber Conference OFC'98, paper TuD1, Technical Digest, San Jose, CA, pp. 20-21	02/1998
	X	Lee et al., "Bidirectional transmission of 40 Gbit/s WDM signal over 100km dispersion shifted fibre," Electronics Letters, Vol. 34, No. 3, pp. 294-295	02/05/1998
	Y	Okuno et al., "Generation of Ultra-Broad-Band Supercontinuum by Dispersion-Flattened and Decreasing Fiber," IEEE Photonics Technology Letters, Vol. 10, No. 1, pp. 72-74	01/1998
	Z	Masuda et al., "Ultrawide 75-nm 3-dB Gain-Band Optical Amplification with Erbium-Doped Fluoride Fiber Amplifiers and Distributed Raman Amplifiers," ," IEEE Photonics Technology Letters, Vol. 10, No. 4, pp. 516-518	04/1998
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	BB	Rotwitt et al., "Distributed Raman Amplifiers for Long Haul Transmission systems," LEOS, pp. 251-252	12/1998
	CC	Grubb et al., "Detailed analysis of Raman amplifiers for long-haul transmission," OFC Technical Digest, pp. 30-31	1998

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PTO-1449

Information Disclosure Citation In an Application

Application No.	Applicant(s)
10/014,839	Mohammed N. Islam #8
Docket Number 069204.0177	**Group Art Unit**
Filing Date December 10, 2001	

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A	5,790,300	08/04/1998	Zediker et al.	359	334	10/15/1996
	B	5,796,909	08/18/1998	Islam	385	147	02/14/1996
	C	5,815,518	09/29/1998	Reed et al.	372	6	06/06/1997
	D	5,959,750	09/28/1999	Eskildsen et al.	359	134	06/06/1996
	E	5,978,130	11/02/1999	Fee et al.	359	341	09/16/1997
	F	6,008,933	12/28/1999	Grubb et al.	359	341	08/19/1997
	G	6,043,927	03/28/2000	Islam	359	332	01/16/1998
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	I	6,081,366	06/27/2000	Kidorf et al.	359	341	08/28/1997
	J	6,088,152	07/11/2000	Berger et al.	359	334	03/08/1999
	K	6,101,024	08/08/2000	Islam et al.	359	334	03/24/1998
	L	6,151,160	11/21/2000	Ma et al.	359	341	10/05/1998
	M	6,163,636	12/19/2000	Stentz et al.	385	24	01/19/1999
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	O	6,191,854 B1	02/20/2001	Grasso et al.	359	124	07/15/1996

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	S	Becker et al., "Erbium Doped Fiber Amplifiers Fundamentals and Technology," Academic Press, pp. 55-60	1999
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	U	Nissov et al, "Rayleigh crosstalk in long cascades of distributed unsaturated Raman amplifiers," Electronics Letters, Vol. 35, No. 12, pp. 997-998	06/10/1999
	V	Kawai, et al. "Wide-Bandwidth and Long-Distance WDM Transmission Using Highly Gain-Flattened Hybrid Amplifier," IEEE Photonics Technology Letters, Vol. 11, No. 7, pp. 886-888	07/1999
	W	Yun et al., "Dynamic Erbium-Doped Fiber Amplifier Based on Active Gain Flattening with Fiber Acoustooptic Tunable Filters," IEEE Photonics Technology Letters, Vol. 11, No. 10, pp. 1229-1231	10/1999
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	BB	Pending Patent Application; USSN 09/811,103; entitled "System and Method for Wide Band Raman Amplification"	Filed 03/16/2001
	CC	Pending Patent Application; USSN 09/916,454; entitled "System and Method for Controlling Noise Figure"	Filed 07/27/2001
	DD	Pending Provisional Patent Application; USSN 60/310,147; entitled "Combined Laser Diode Raman Pumps; Active Gain Equalizers; Bi-Directional Raman Amplifiers"	Filed 05/00/2002
	EE	Pending Patent Application; USSN 10/100,588; entitled "Electro-Absorption Based Modulation"	Filed 03/15/2002

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DEANDRA M. HUGHES	JUNE 5, 2003

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PTO-1449

Information Disclosure Citation In an Application

Application No.	Applicant(s)
10/014,839	Mohammed N. Islam
Docket Number: 069204.0177	Group Art Unit
Filing Date: December 10, 2001	

#8

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A	6,191,877 B1	02/20/2001	Chraplyvy et al.	359	124	07/15/1996
	B	6,236,496 B1	05/22/2001	Yamada et al.	359	341	12/10/1997
	C	6,239,902 B1	05/29/2001	Islam et al.	359	334	05/05/2000
	D	6,239,903 B1	05/29/2001	Islam et al.	359	337	04/25/2000
	E	6,310,716 B1	10/30/2001	Evans et al.	359	334	08/18/2000
	F	6,335,820 B1	01/01/2002	Islam	359	334	12/23/1999
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		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	N	Pending Patent Application, USSN 09/768,367, entitled "All Band Amplifier"	Filed 01/22/2001
	O	Pending Patent Application; USSN 09/766,489; entitled "Nonlinear Polarization Amplifiers in Nonzero Dispersion Shifted Fiber"	Filed 01/19/2001
	P	Pending Patent Application; USSN 09/800,085; entitled "Dispersion Compensating Nonlinear Polarization Amplifier"	Filed 03/05/2001
	Q	Pending Patent Application; USSN 09/719,591; entitled "Fiber-Optic Compensation for Dispersion, Gain Tilt, and Band Pump Nonlinearity"	Filed 06/16/1999
	R	Pending Patent Application; USSN 09/760,201; entitled "Low-Noise Distributed Raman Amplifier Using Bi-Directional Pumping Using Multiple Raman Orders"	Filed 01/12/2001
	S	Pending Patent Application; USSN 09/765,972; entitled "S+ Band Nonlinear Polarization Amplifiers"	Filed 01/19/2001
	T	Pending Patent Application; USSN 10/003,199; entitled "Broadband Amplifier and Communication System"	Filed 10/30/2001
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	V	Pending Patent Application; USSN 10/005,472; entitled "Multi-Stage Optical Amplifier and Broadband Communcation System"	Filed 11/06/2001
	W	Pending Patent Application; USSN 10/014,839; entitled "Multi-Stage Optical Amplifier and Broadband Communcation System"	Filed 12/10/2001
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	~~Y~~	~~PCT International Search Report Form PCT/ISA/210~~	~~01/11/2000~~
	~~Z~~	~~PCT International Search Report Form PCT/ISA/210~~	~~05/14/2001~~
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